

Name: \_\_\_\_\_

Grade: \_\_\_\_\_

Score: \_\_\_\_\_

## Worksheet #1



# BODMAS

**Learning goal:** Students will apply BODMAS to simplify numerical expressions involving integers and decimals using step-by-step calculations.

$$\begin{aligned} & -15 \div (3 + 2) + (8 \div 0.5) \times (4 - 1.5) - (6 \div 2 + 1) \\ & = -15 \div 5 + 4 \times 2.5 - 4 \\ & = -3 + 10 - 4 \\ & = 3 \end{aligned}$$

$$(25 \div 5) + [(8 - 3) \times 2] - (12 \div 4)$$

$$[(12 \div 4) + (5 \times 2)] \times (3 - 1.5)$$

$$[(16 \div 4) + (5 \times 3)] \times (2 - 0.5)$$

$$(20 - 5) \div (3 + 2) + (7 \div 0.5) \times 2$$

$$(30 \div 5) + [(6 - 2) \times 3] - (8 \div 2)$$

$$[18 \div (6 - 3)] + (4 \times 2.5) - (10 \div 2)$$

$$[(24 \div 6) + (7 \times 2)](3 - 1.5)$$

Name: \_\_\_\_\_

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## Worksheet #1(Answers)



# BODMAS

**Learning goal:** Students will apply BODMAS to simplify numerical expressions involving integers and decimals using step-by-step calculations.

$$\begin{aligned} & -15 \div (3 + 2) + (8 \text{ of } 0.5) \times (4 - 1.5) - (6 \div 2 + 1) \\ &= -15 \div 5 + 4 \times 2.5 - 4 \\ &= -3 + 10 - 4 \\ &= 3 \end{aligned}$$

$$\begin{aligned} & (25 \div 5) + [(8 - 3) \times 2] - (12 \div 4) \\ &= 5 + [5 \times 2] - 3 \\ &= 5 + 10 - 3 \\ &= 12 \end{aligned}$$

$$\begin{aligned} & [(12 \div 4) + (5 \times 2)] \times (3 - 1.5) \\ &= [3 + 10] \times 1.5 \\ &= 13 \times 1.5 \\ &= 19.5 \end{aligned}$$

$$\begin{aligned} & [(16 \div 4) + (5 \times 3)] \times (2 - 0.5) \\ &= [4 + 15] \times 1.5 \\ &= 19 \times 1.5 \\ &= 28.5 \end{aligned}$$

$$\begin{aligned} & (20 - 5) \div (3 + 2) + (7 \text{ of } 0.5) \times 2 \\ &= 15 \div 5 + 3.5 \times 2 \\ &= 3 + 7 \\ &= 10 \end{aligned}$$

$$\begin{aligned} & (30 \div 5) + [(6 - 2) \times 3] - (8 \div 2) \\ &= 6 + [4 \times 3] - 4 \\ &= 6 + 12 - 4 \\ &= 14 \end{aligned}$$

$$\begin{aligned} & [18 \div (6 - 3)] + (4 \times 2.5) - (10 \div 2) \\ &= [18 \div 3] + 10 - 5 \\ &= 6 + 10 - 5 \\ &= 11 \end{aligned}$$

$$\begin{aligned} & [(24 \div 6) + (7 \times 2)](3 - 1.5) \\ &= [4 + 14] \times 1.5 \\ &= 18 \times 1.5 \\ &= 27 \end{aligned}$$